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PROVISIONAL SPECIFICATION.

Improvements in Soap and Plaisters.

Mrs. EDITH EMILY GILLAM 45 Penywern Road South Kensington S.W. do hereby declare the nature of this invention to be as follows:—

For improvements in Soap and Plaisters.

The object of my invention is the production of a disinfecting, antiseptic, anti-
 5 spasmodic, and antifebrile soap, and plaister. In carrying this invention into effect I combine with the soap while in its liquid state the essential oil known as “cajput” or “cajuput,” either with or without a preparation of leaf, bark, or root of the “Melaleuca Leucadendron;” or I remelt the soap and combine the cajuput oil therewith, so that
 10 when combined a new disinfectant, antiseptic, antispasmodic, and antifebrile soap shall be produced.

The Plaister is similarly produced.

These productions I call respectively “Cajuputi Soap,” and “Cajuputi Plaister.”

Dated this 14th day of July 1888.

15 EDITH EMILY GILLAM,
 45, Penywern Road, South Kensington, London, S.W.

COMPLETE SPECIFICATION.

Improvements in Soap and Plaisters.

I EDITH EMILY GILLAM of 45 Penywern Road, South Kensington, London, S.W., do hereby declare the nature of this invention and in what manner the same is
 20 to be performed, to be particularly described and ascertained in and by the following statement:—

The chief object of my invention is the production of a disinfecting, antiseptic, anti-rheumatic, and antifebrile soap, suitable for use as a detergent of the skin.

It is applicable also in the production of plaisters for the removal of acute pain.

25 In the manufacture of a soap suitable for toilet use, I take, say, 100 parts, by weight, of curd or pure soap, and this I steep in an essential oil known as cajuput or cajuput oil prepared from the plant Melaleuca Leucadendron.

The proportion of oil which I desire that the soap shall absorb, in the first instance, is some 10 %_o. When the soap is thus saturated, I submit it to a milling operation,
 30 by passing it through a roller mill composed of, say, two, three, or more pairs of rollers, the action of which will be to amalgamate or thoroughly mix together the soap and the essential oil. As some of the latter substance is, owing to its volatility, likely to be lost, it is desirable that the soap shall contain not less than 10 %_o of the oil when submitted to the roller mill.

35 The mixture thus obtained may be moulded by pressure into slabs or other forms suited for the market, and, if desired, these moulded pieces may be wrapt in tin foil to prevent the loss of essential oil by evaporation.

For the production of a bath soap, I proceed, in the first instance, as already explained, and subsequently increase the proportion of the essential oil to, say, 20 %_o.
 40 This increased proportion of oil produces a compound more or less soft or viscid, and therefore renders it desirable to introduce the manufactured soap into a metallic compressible tube, when preparing it for the market, which covering will preserve it from deterioration, and allow of its being expressed therefrom in the manner of artists' colours.

45 In some cases, I may mix the leaves or bark of the Melaleuca Leucadendron, reduced to a pulverized state, with the more highly medicated soap, before submitting the same to the roller mill.

[Price 4d.]

Gillam's Improvements in Soap and Plaisters.

This addition will render the soap more absorbent of the essential oil, and increase the efficiency of its action upon the skin.

As this saponaceous compound is very efficient in removing rheumatic pains, I propose to employ it as a plaister for the various parts of the body affected thereby, and also for disorders of the chest arising from cold. 5

The plaister will be prepared in any well-known manner from the saponaceous compound containing a percentage of essential oil of cajuput, equal or superior to that of the bath soap.

Having now particularly described and ascertained the nature of my said Invention and in what manner the same is to be performed, I declare that what I claim is :— 10

The preparation of medicated soap as and for the purposes above described.

Dated this 16th day of April 1889.

NEWTON & SON,
Agents for the Applicant. 15

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